File No. DUPLICATE County STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER STATE ENGINEER Notice of Completion of Groundwater Appropriation Without Well (Under Chapter 237 Montana Session Laws, 1961) Address of Contractor ..... 11 Colin Stated downlemanble 3-11-12-62 Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.... No 1 Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-Sec /8 T /9R57 tent estimate approximate lengths of periods of use Indicate point of appropriation and place of use, if possible. Signature of Owner.. This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

300%

STATE OF MONTANA
County of Richland
Filed tria.

AD. 19

County Records

County Records

County Pichland

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

			R WELL		1.7	TATE EN	GINEER
	Owner	7/12	frite	hie	Address,	Lorage	Mon
	Driller						
	Date Started				Date Com	pleted	12
	Location: Sec.						
Type of well Uni	G by h	and	Faulor	hazer tera			
Lype of wen	(Dug, derven, bore	d, or drilled)	equipm	terro uscu	(Churn	drill, rotary, othe	r)
Water use: Domestic	区	Municipal		Stock	XI.	Irrigation	
Industrial		Drainage		Other:	***************************************		
Casing: Ruch	_ft. to	ft.	Туре		Size		<u></u>
Casing:	.ft. to	ft.	Туре		Size		
Casing:	ft. to	ft.	Туре		Size		
Perforated or Screened	: Ft	to ft	***************************************	Ft		to ft	***************************************
Type of screen or perfor	ations	•••••••••••••					
Static Water level, for n	on-flowing well	18	12				feet.
Shut-in pressure, for flo							
						(date)	- 14 A -
Pumping water level		leet	at		gal	. per min	***************************************
How tested:		•					**********
Length of test	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
Remarks: (Gravel pac	king, cementing	, packers, ty	pe of shut-	off, depth	of shut-off)		
***************************************	***********************						**********
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File No.....

DUPLICATE

T 19 N R 57

County Rich land

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODI
OFFICE OF STATE ENGINEER

DECEIVED N DEC 27 1963

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Groundwater.	26, 196)
	Owner - R. Fritchie Address Strage,	Montena
	Contractor (if any)	
	Address of Contractor	
	Date Started Date Completed	
N	Describe means of obtaining groundwater without sub-irrigation and other natural processes". Inc	a well "as by lude depth to
	water when applicable	
NW/4	Cernic fed by springs	
2		
swl4 SE/4	Quantity of water developed and used with explans used to measure or estimate such amount. If use	tion of method is intermittent
14 Sec. 19 T.19 R.5.7	estimate approximate lengths of periods of use	Service of the service of
Indicate point of appropriation and place of use, if possible.	ten codinicaly	1.4.43
	Signature of Owner	
	Date	7

This form to be prepared by contractor (if any), otherw ie by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

285996

December 26, 1963

285996 STATE OF MONTANA, County of Richland, File this

#### Mr. J. R. Fritchie, Savage, Montana

February 26, 1964

December 26, 1963

285996

from a creek.

AW 3 File No. DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER gar j i **1964** Notice of Completion of Groundwater Apprepriation Without Well (Under Chapter 237 Montana Session Laws, 1961) Date of Appropriation of Groundwater Contractor (if any) ..... Address of Contractor ...... Date Started Doc Date Completed Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to sub-irrigation and other natural processes". Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent 3.W.14..... Sec. 23

Indicate point of appropriation and place of use, if possible.

Signature of Owner.

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

December 10.1963

11.146

Colony June

Let 200

Deputy

Filed

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JV .		Approved Stock Form-State Publishi	ng Co., Helena, Montana—38682
File No			County & June 1 work
DUPLICATE		TE OF MONTANA	County
	ADMINISTRATO	R OF GROUNDWATER CODE OF STATE ENGINEER	DECEIVED DEC 26 1963
	(Under Chapter 2	ested Groundwater 37, Montana Session Laws, 1961	
mr. RE	VE BAYO	MF, of (Address)	(Town)  for to January 1, 1962, as follows:
(Nam	a of appropriator)	State of	on to January 1, 1962, as follows:
have appropriated	groundwater according to	o the Montana laws in effect pr	for to January 1, 1962, as follows:
N	Ao	the beneficial use on which the c	westers.
	3 1	Date or approximate date of ear	liest beneficial use; and how con-
	t	inuous the use has been	now
2 t love	2 4	The amount of groundwater classes minute)	imed (in miner's inches or gallons
		all ye	- the lends
	5.	If used for irrigation, give the a	oreage and description of the lands ed and name of the owner thereof
W. JL	957	71000	
Indicate point of	appropriation		
Indicate point of and place of use, Each small square	if possible. represents 10 6.	. 11	ch water from the ground and the means of withdrawal
acres.		TOCATION OF CASE	means of water
The second second			
7. The date of co	mmencement and completion	on of the construction of the w	ell, wells, or other works for with-
drawai or grou	HILL WALCE		***************************************
		1-2 /	
8. The depth of	Water table	gize and depth of each well or the	ne general specifications of any other
9. So far as it m	ay be available, the Lype,	BING GEG - 1	
WOLLD		Anna	
10. The estimated	amount of groundwater v	withdrawn each year	6>9,200 galler
11. The log of fo	rmations encountered in th	ne drilling of each well if avai	lable
		Vinknows	lable
		***************************************	
HARAMAN TO 1	formation of a similar nati	<b>7</b> = 11	g out the policy of this act, including
***************************************			(i) n
		Signature of Owne	Rone Barone
		- J	Date 12-23-63
		the County Clerk and Records	er of the county in which the well i
Three copies to	be filed by the owner with	the County Ciera and Arraya	

located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, Sea. 283 2 County of Richland,

Filed this 23 day of A.D. 10 4 3

at 2:22 o'clock. P. M.

County Recorder

Sulface Deputy

Property

File No		rippional and 20	orm—State Publishing Co., Helena, Montana—42234
<i>3</i>			T 19 R57
DUPÉICATE			County Dielland
		STATE OF MONTANA	
	ADMINIS	TRATOR OF GROUNDWA	TER CODE
	OF	FICE OF STATE ENGINE	er U Jan 20 1964 💆
The second secon	- Davidson of the contract	f Variation Comment	
			lwater Rights Line in a l
and the same of th	(Under Cha	pter 237, Montana Session l	Laws, 1901)
3		<u>.</u>	$\mathcal{L}$
1Jesus	(Neme of Koprowiator)	, of(Ad	Idress) (Zown)
County of			
have approprie	ated groundwater accordin	g to the Montana laws in e	effect prior to January 1, 1962, as follo
·	N	·	· · · · · · · · · · · · · · · · · · ·
		2. The beneficial use on wh	nich the claim is based discharge
	×		
			ate of earliest beneficial use; and how co
<del> </del>			
		4. The amount of ground	lwater claimed (in miner's inches on g
			gallon more or les
		5. If used for irrigation,	give the acreage and description of the
	8	to which water has be	een applied and name of the owner t
USE	OHm lanks		
7	24T. 19. B.5.7		
ndicate point o	of appropriation if possible. Each		
	resents 10 acres.		ring such water from the ground and the
		FIGH OF COCH MOT OF OTHE	er means of withdrawal
7. The date of	f commencement and comp	letion of the construction of	f the well, wells, or other works for
drawal of g	roundwater 2	7, 1919	
	10.	<i></i>	10
8. The depth of	water table 64	to water rul	llio 16 ft deep
h			
So far as it works for the	may be available, the tyre withdrawal of groundwate	e, size and depth of each w	well or the general specifications of any
So far as it works for the	may be available, the tyre withdrawal of groundwate	e, size and depth of each w	well or the general specifications of any
So far as it works for the	may be available, the tyre withdrawal of groundwate	e, size and depth of each w	well or the general specifications of any
So far as it works for the	may be available, the tyre withdrawal of groundwate	e, size and depth of each w	well or the general specifications of any
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So far as it works for the	may be available, the type withdrawal of groundwater amount of groundwater formations encountered in the	withdrawn each year	valiable 3 Lt Clay 10 Lt
So far as it works for the	may be available, the type withdrawal of groundwater amount of groundwater formations encountered in the	withdrawn each year	well or the general specifications of any
So far as it works for the	may be available, the type withdrawal of groundwater amount of groundwater formations encountered in the	withdrawn each year	vailable 3 ft Clay, 10ft
O. The estimate  The log of factors  Such other i	e may be available, the type withdrawal of groundwater of amount of groundwater ormations, encountered in the grand of a similar national of a similar nat	withdrawn each year me drilling of each well if an	vallable 3 ft Clay, / Off
Works for the wo	e may be available, the type withdrawal of groundwater of amount of groundwater ormations, encountered in the grand of a similar national of a similar nat	withdrawn each year me drilling of each well if an	vailable 3 ff Clay, /Off
Works for the wo	e may be available, the type withdrawal of groundwater of amount of groundwater ormations, encountered in the grand of a similar national of a similar nat	withdrawn each year me drilling of each well if an	vallable 3 ft Clay, / Off
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Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA and 286624

County of Richland, and 286624

Flied tign day of discounty A.D. 1163

at Soundy Reporter foundly Reporter belief day of Deputy

Filed County Reporter belief day of Deputy

Filed County Reporter belief day of Deputy



T 19 N R 57 E 24
County Richland

# STATE ENGINEER BUREAU OF MINES AND GEOLOGY Butte, Montana

#### WATER WELL LOG

Owner Ternon Win	Son Address Sorage Mont.
	a Address Silvey, Mont.
	1959 Date Completed 0 - \$ 15,1959
Location: Sec. 24 T.	19 R 57 1/2 sec SW
Type of well. (Dur. driven, bored, or drilled)	Equipment used Astany
Water use: Domestic Municipal	
Industrial Drainage	Other:
Casing: O ft. to 22 ft. T	ype Itel 81se 4 3"
Casing:ft. toft. T	ypeSize
Casing:ft. toft. T	ype Size
Perforated or Screened: Ft to ft	Ft to ft
Type of screen or perforations	from TOP toes
Shut-in pressure, for flowing well:	lb./sq. in. on:
Pumping water level	(date)
How tested: Boiler	
Length of test 45 min.	
Remarks: (Gravel packing, cementing, packers, type	
There parked around can	hog
	(over)

Log of Well

		Log of Well					<u> </u>
Depth	, feet	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
From	To	Description of Material Drilled					
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File No. DUPLICATE STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER JAN 10 1964 Notice of Completion of Groundwater Appropriation Without Well (Under Chapter 237 Montana Session Laws, 1961) Date of Appropriation of Groundwate Contractor (if any) Address of Contractor Date Started .... Describe means of obtaining groundwater without a well "sub-irrigation and other natural processes? Include dep Quantity of water developed and used with explanation of method used to measure of estimate such amount. If use is intermittent estimate approximate lengths of periods of us Indicate point of appropriation and place of use, if possible. This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, sa **986/55**Fill this 30 day of Double 1 day of A D 1963

at 11/44 ogioth, 1 M

Granty Rectorer

Journ's Rectorer

Let 200 Deputy

- 7

County Richland Twp. 1971 Rge. 586.

1_		There are Paren	County File No.	Remarks
Sec.	Name of Appropriator	Type of Form	File No.	Remarks
1	Ochorno Frank	<b>G</b> 872	283816	
3	1 0			
12	Kedmane Karney	4812	289113	
4	Kedmani Jahn K.	1142	283583	
1	Kedmani John R.	4972	285947	
4_	Redman John C.	4912	323066	
4	Redmon Karney On	494	286009	
5	Gillman Burrell & Gillman	57 Dul hos	62947	
1	20mber Incorporated	4843	286634	
8	Redessen a. J.	194	286491	
8	Pederson a. 2.	484	286490	
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10	Kedman Karney	51 Here Bog		
10	Kelman Karney	494	286007	
17	Kedlesen a J.	<i>1984</i>	286492	
18	Bossen Kenneth	4943	286635	
18	Barren Kenneth	484	286621	
24	Redman Karney O.	48/2	2797/2	
3/	Bre Herbert &	519011 hog	63081	
31	Loundey darry	442	102825	
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GW 2		: 5/9	Approved	Stock Form-S	tate Publishing	Co., Helena,	Montana-390	•
File No		Cloude			T	19 N	B 57	E
DUPLICA	7 / //	1//	\$ 1029	Let	C	our	inte	
ad	regard well for	m 207	ADMINIS	STATE	OF MONI FGROUN		CODE	
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520	11		Approp	apter 237				
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537 6	roubly shale	Owner	tann (	12	Addres		1 / D	hon T
577	11 14	Driller.	sance	Loye	Addres		J / 1	
567	interndational 13	Date of	Notice of Appro		4.0		1	1 1013
587	. keli	Date ve	l started	~ 1819	7.4mate Co	ompleted	unez	4/763
500		Type of (dug, d	well	und		nent Used , drill, rotar	H TO G	ing
275 -	tek	drilled	)		other)			
624	dele	Water U	se: Domestic Industrial		nicipal [	Other   Stock		rigation 🗌
bale			icate on the d					
600	ool		et with in drill pth at which w					
673	dele	bearing	strata and heig	ht to which	water rise	es in the wo	ell.	
187		Size of Drilled	Size and Weight of	From (Feel)	To (Feet)	P	ERFORATION	S
694 6	lost	Hole //	Castng 14 / Sealer	509	1029	Kind Size	From (Feel)	To (Feet)
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935			tic Water Leve				A A	feet.
1009	hand gray that	Shi	it-in Pressure	for Flowing	Well	ou a	re fem	281963
1009	Il arreson	later !	nping Water L				110	er minute.
1019	artists street	Dis	charge in gal.	per min. of	flowing w	ell <i>l. Q</i>	gassa	<b></b>
- 1	X	Но	w Tested		Leng	th of Test.		
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+ 1	1 140 3			rigated, if t				packe
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_	place of use, if possible, small square represents 16		up.	long	• • • • • • • • • • • • • • • • • • • •			
1029	Show exact depth of bottom			V		······································		
للشك	with ewith rebin of hottom	le			Driller	's License	Z Number	
					the	rancia	JA	Brice.
					Drifter	's Signatur	e - 10	

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

File No. JUN 3 DUPLICATE

County Richland

STATE OF MONTANA

Date of Not Date well s Type of well (dug, drive Water Use: Indicastrata met Show depth bearing strated	Appropries of Appropriate of Appropr	pter 237,  man  ce  riation of  7 1964  gram the  gram t	Montana S  Montana S  Montana S  Montana S  Groundwar  L. Date Co  Equipm (Churn other)  nicipal [ ainage [] character s soil, clay, ountered, th	Sidne Sidne Sidne Sidne Ger.  Impleted  Other Stock and thick shale, gra ickness an s in the w	f Well ws, 1961) y Ment. y Ment. Jan. IAI Rohary ry or  In these of the twel, rock of the character in the c	rigation ne differe
Owner  Date of Not Date well s  Type of well dug, drive  Water Use:  Indicastrata met Show depth bearing strate	(Under Cha	pter 237,  man  riation of  7 1964  gram the	Montana SAddress Groundwa' LDate CoEquipm (Churn other) nicipal [] ainage [] character s soil, clay, puntered, th water rise	Sidne	Mant.  Ment.  Me	rigation ne differer sand, e
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l	and the second of the second	₹, er ik in		The State of		
	IO' pae					
		······································	<b>9</b> Driller	's License	Number	A)
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This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

SIATE OF MONTANA, County of Richland, Filed this. day of A. D. 19 64

County Recorder

The . 12 12

files

GW 2		Approved	Stock Form—St	ate Publishing Co	Helena, Montana-	39085
File No				T	19" 5	75
DUPLICATE				Cour	w Right	end
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a servey clay lop	2000	Notice of	Comple	tion of	STATEDIA	Mer.
Elect above her level	,			by Mea	ns of We	PINEER
15 clay	19. O. O.				ion Laws, 1961)	
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32 fine grand						
		f Notice of Appro		1413	leted June /	3 19/3
	Date v	vell started	MI			/-//-
		f well driven, bored or	resa	Equipment (Churn, dr	Used	
	drill			other)		
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	<b>~</b> 1	ndicate on the d	F.,			the differen
	strata	met with in drill	ing, such as	soil, clay, sh	ale, gravel, rock	or sand, etc
		depth at which w g strata and heig				ter of water
	Size of	Size and	From	To		
	Drilled Hole	Weight of Casing	(Feet)	(Feet)	FREFORAT	To
	4.34	45 Files	0	41 3	Stre (Feet)	41
		7			Ea	
						<u> </u>
N	s	tatic Water Level	for non-flo	wing Well	1.4	fee
	; ; ; ;	hut-in Pressure f				
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	I I	ischarge in gal. 1	per min. of i	lowing well		
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	*				ater if not at a	
			•		tion)	
1/4 Sec. 4	T 10 R 47	acres ir	rigated, II U	wa tor mika		
Indicate location	of well and		<del></del>	***************************************	***************************************	
place of use, if posmall square repres				<u></u>		
			······································			
Show exact depth of	potvom.			Duillan's 1	Lo 92 License Number	
			1. 	Driller 8	Accuse Number	<b>3</b>
				Driller's	nce L	wyc

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, County of Richland,

County of Richland,

Filed this 2 day of

A. D. 19.6.3

at 3.19 o'clock M.

County Recorder

GW 2	Apr	proved Stock Form-S	tate Publishing	Co., Helena, M	ontana—3908	· SH
File No. 2000			т	19 NR	37	ę,
DUPLICATE				ounty Flee		/
DUPLICATE	(J) ADMO	STATE ( INISTRATOR O OFFICE OF	of mont. F groun State en	COTREPD		
Top of Ground  Top of	Notice	of Comple		f Groun	c 26.19 I <b>dwat</b> c	er e
1 t-4 1 / 1 / 1	Аррі	ropriation			WAIP!	NEEH
40 & gravel	(Unde	r Chapter 287, 1		. 4 .	43	30 ph
or gray clay	Ownerson	Z 3		Sifn	F 1	wy
97 6	Drille Tarana	in Doy	<b>KAddress</b>	Sich	rey !	non
P-P- 1 E	Date of Notice of A					
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147 Inch	Type of well	stilled or		ent Used		<b>y</b>
152	drilled)		other)			
152 shale 225	Water Use: Dome Indust		icipal [	Other [	ut	igation [
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310 Denous Topas	strata met with in Show depth at which	ch water is enco	untered, th	ickness and	character	
310 rock	bearing strata and	neight to which	water rise	s in the wen		-
315 thele with layer	ze of Size and rilled Weight of Tolo Caring	From (Post)	To (Feet)	PES Kind	From	To
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365 gray chale 44	146.			. //		
417 rock	gary	ine O	447	2×2	428	447
423 / //				este		
430 hard devaluant	Static Water ]	Level for non-flo	wing Well.			feet.
430 underon total	Shut-in Press	ure for Flowing	Well 15	٢		
446 0000	Pumping Wate	er Level	fee	t at	gal. p	er minute.
447	Discharge in	gal. per min. of	flowing we	i b ga	llord	<i></i>
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		er similar pert				
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Indicate location of well and	Los	~ 4,17f	to	125 6	7-3-	FOP
	for	n 417 f	fr	125 f	my.	9"0 P
Indicate location of well and place of use, if possible. Each small square represents 10 acres	for	m 417 f	fr	125 B 4 ft B	one	5"0 P
Indicate location of well and place of use, if possible. Each	for	m 417 f	fr	125 g 4ff d 2 License N	umber	Y OP

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

ANA DWATER CODE SECS SOARD  INSOF WELL  1, 1962  WARRINGE BY The copies to be filed Recorder in the country in	A 100 A				
NS OF WELL  1, 1962  Wes, 1961, as amended)  Wes, 1961, as amended)  Wes, 1961, as amended)  Western of Ground  Western of Grou	1	CEIVE	D Co		H
NS OF WEIL   1, 1982   1	MU IDWATER CODE	US 1/6. 1972 -	indicate th		
NS OF WEIL   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1962   1, 1963   1	RCES BOARD	OLPARTUENT OF HA	ness of stra	eta such as soil,	clay, sand,
Water Use: Domestic   Municipal   Stock   Irrigation    Industrial   Drainage   Other  * Garden/Lawn    **Describe  USE if used for irrigation, industrial, drainage or other state number of scress and location or other data (i.e., to, Block and Addition).  **Static water level   Pump.   Pump.    **Static water level   Pump.   Pump.    **Wearer of screen in the country in retained by driller.  **Teserosa.**Tony.**	GROUNDWATE	S.AMB COMSERVA:	depth at v	which water is	found and
Was Use: Domestic   Municipal   Stock   Irrigation   Irri	1, 1962		height to v	which water ris	es in well.
Dete well started	iws, 1961, as among	ed) Top of	Ground	(Elev. above	ica level)
Dete well started	three copies to be	filed From (Foot)	To (Feet)		
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Water Use: Domestic \[ \] Municipal \[ \] Stock \[ \] Irrigation \[ \] Industrial \[ \] Drainage \[ \] Other \[ \]*. Garden/Lawn \[ \]   *Describe  USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).  ESTIMATED ANNUAL WITHDRAWAL  State \[ \] Fee acres	(Dug, driven, bored or drilled)				
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*Describe  USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).  ESTIMATED ANNUAL WITHDRAWAL  Size of Size and Great (Text)  Size of Calley (Text)  N  Static water level ft.*  Pumping water level ft.*  ###		n 🗆 📆	<del> </del>		7-5-23-3
*Describe  USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).  ESTIMATED ANNUAL WITHDRAWAL  PERFORATIONS  The property of Charles (Year) (Year) (Year) (Year) (Year) (Year) (Year)  Static water level ft.*  # Dumping water level ft.*  # Dumping water level ft.*  # Degan.  * Measured from ground level.  Well developed by for hours.  Power. Pump. HP  Remarks: (Gravel packing, cementing, packer type of shutoff)	inage [] Other []*. Garden/Lav	m 🖸 🗔			
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N  Static water level			<del></del>		
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Driller's Signature	ar the transfer of the control of th	_			
Driller's Address Show exact depth of botto	· / //////////		<del> +</del> -		

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# RECEIVED

ATE OF MONTANA

DRILLER'S LOG

TICE OF COMPLETION OF GROUNDWATER'S AND CONSERVATION BY MEANS OF WELL

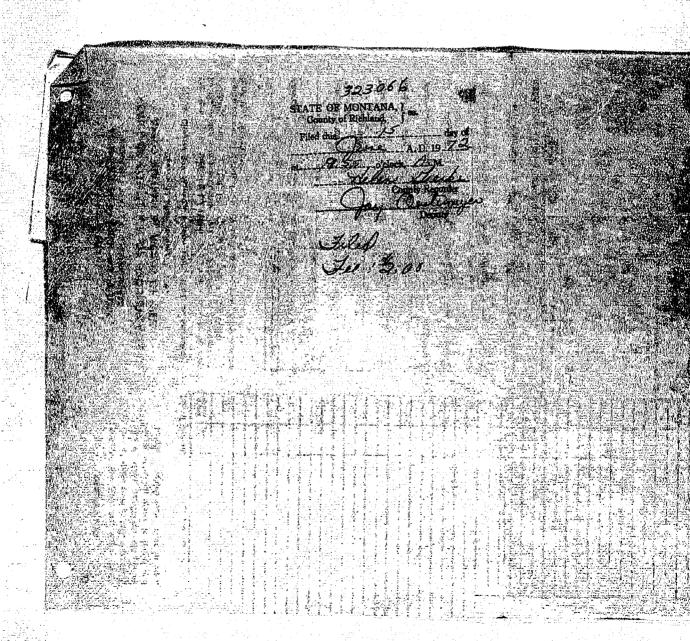
DRILLER'S LOG

Indicate the character, color, thickmontana water resources board

LIONTANA DEPARTMENT OF HATURATION shale, sandstone, etc. Show
Copth at which water is found and
height to which water is found and
height to which water rises in well.

(Under Chapter 237 Mointains Session Laws, 1961, as amended) Its form to be operated by delifer, and three copies to be filled the sense with the County Clerk and Recorder in the county in highly the sense of t	1. 20 S. 22 S. 19 S.				STANDED ALL SERVICES OF A CONTRACT OF		1.5			
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passe answer all questions. If not applicable, so state, otherwise the mr may be returned.    For Administrator's Use   For Administrator's Use	y the ow	to be prepared wher with the Cou	by driller, a	and three copies and Recorder in t	to be filed he county in	Prom (Feet)	(Feet)		<b>3</b>	
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For Administrator's Use File 233066  File 233066    Completed   Co	m may	be returned.							izar kalendar	
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Show exact depth of bottom



	2	American Control Control	e Publishing Co., Helena, Montana—12234
File No		Approved Stock Forth—State	T 19 NR 58 E
DUPLICATE (			County Bichland
į.		TE OF MONTANA	
	ADMINISTRAT OFFICE	OR OF GROUNDWATER (	DECEIVED
⟨ ` _			N_ nec 27 1963
\ <b>D</b>	eclaration of V	ested Groundwat	er Rights  STATE ENGINEER
1 Karney J	Redman	, of Skaare	Route, Sidney
County of Hier	lana	State of IX 21	lane
have appropriated gro	undwater according to	the Montana laws in effect	prior to January 1, 1962, as follows:
N 	2. T	he beneficial use on which the	e claim is based
		for stocker	ater
			arliest beneficial use; and how continu-
		year round	- continuous
	· ·		
			claimed (in miner's inches or gallons
_ X		er minute) 122 June	one per minute
	5. 1	f used for irrigation, give th	e acreage and description of the lands
		o which water has been appoint applicable	plied and name of the owner thereof
E 1/4 Sec. 4 T. K		<u> </u>	
Indicate point of appr and place of use, if possib	le. Each	he means of withdrawing an	ch water from the ground and the loca
small square represents :		ion of each well or other mean	ns of withdrawal artesian
	1	T19 8/5 8	located bec. 4,
7. The date of comme	ncement and completion	of the construction of the	well, wells, or other works for with
drawal of groundwa	ter.unknown		
8. The depth of water to	able unknou	<b>~</b>	
			the general specifications of any other
works for the withdr	awal of groundwater		in size, 4 in coing
I such pipe	j apra 43	of frage	
***************************************	***************************************		
10. The estimated amoun	t of groundwater withdu	rawn each year	00 901
	_	ling of each well if available	4
	***************************************	•••••••••••••••••	
			out the policy of this act, including
reference to book and	page or any county rec	ord have no st	me information
			9,
		Signature of Owner	Karney J. Redman Date Deft 26, 1963
		·	Date De 26, 1963
Mharra and the filed ha	the owner with the Cour		

Original to the County Clerk and Recorder; Duplicate to the State Enginee. Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

Please answer all questions. It not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA
County of Richland,
Filed this 4.00

County THAND CO

### MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

## WATER WELL LOG

Owner Gillam, Burrell & Gillam	Address Savage, Montana
Driller Francis Boyce	Address Trotters, N. Dak.
Date StartedJune. 4, 1959	Date CompletedIune 10, 1959
Location: Sec. 5 T. 19 R. 58	14 secNorth West
Type of well Drilled Equipment u	sed Rotary (Churn drill, rotary, other)
Water use: Domestic Municipal S	tock X Irrigation
Industrial Drainage Oth	er:
	Size 4 inch 11 lb per. ft.
Casing:	Size Size
Casing:ft. toft. Type	Size to ft
Perforated or Screened: Ft. None to 1t.	Ft.
Type of screen or perforations	feet.
Static Water level, for non-flowing well: 215.	in. on:
Shut-in pressure, for flowing well:lb./sq.	(date)
Pumping water level	gat. per min
How tested: Cylinder Fump	
Length of test12. Hours	denth of shut-off)
Remarks: (Gravel packing, cementing, packers, type of shut-off	, depart of allow-only
Gravel packed from 320 back to 280 feet	<b></b>
. (over)	

Log of Well

59-6 83 86-8 130 145 205 205-6 208 208-8	Description of Material Drilled  Topsoil  Gumbo or Soft Gray Shale  Rock  Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Soft Gray Shale  Rock  Soft Gray Shale  Rock  Soft Gray Shale
59 59-6 83 86-8 130 145 205 205-6 208-8	Gumbo or Soft Gray Shale  Rock  Soft Gray Shale  Rock  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Sonale
59 59-6 83 86-8 130 145 205 205-6 208-8	Gumbo or Soft Gray Shale  Rock  Soft Gray Shale  Rock  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Sonale
59-6 83 86-8 130 145 205 205-6 208 208-8	Rock Soft Gray Shale Rock Soft Gray Shale Thin layers rock & soft brown shale Soft Gray Shale Rock Snale
59-6 83 86-8 130 145 205 205-6 208 208-8	Rock Soft Gray Shale Rock Soft Gray Shale Thin layers rock & soft brown shale Soft Gray Shale Rock Snale
83 86-8 130 145 205 205-6 208	Soft Gray Shale  Rock  Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale
83 86-8 130 145 205 205-6 208	Soft Gray Shale  Rock  Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale
86-8 130 145 205 205-6 208 208-8	Rock  Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale
130 145 205 205-6 208 208-8	Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale  Rock
130 145 205 205-6 208 208-8	Soft Gray Shale  Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale  Rock
145 205 205-6 208 208-8	Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale  Rock
145 205 205-6 208 208-8	Thin layers rock & soft brown shale  Soft Gray Shale  Rock  Snale  Rock
205 205-6 208 208-8	Soft Gray Shale  Rock  Snale  Rock
205-6 208 208-8	Rock Snale Rock
205-6 208 208-8	Rock Snale Rock
208 208-8	Snale Rock
208-8	Rock
208-8	Rock
258	Soft gray shale
258	SOIL gray shale
258-6	Rock
000	
260	Shale
260-6	Rock
286	Soft Gray Shale
291	Rock and the English
320	Layers of water sand & gray shale
	P11.
	<b>₩</b> ( <b>2</b>
	public  Public  Clark &
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Cilla Corder
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Approved Stock Form-State Publishing Co., Halena, Montana-42262

File No.....

DUPLICATE

T/9 NR 58 E

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JAN 1 0 1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Details of Alexander	- 21 /25
	Date of Appropriation of Groundwater 12	_
	Owner Township one Address 2	Large
	Contractor (if any)	
	Address of Contractor	······································
	Date Started Date Completed	l
N	Describe means of obtaining groundwater with sub-irrigation and other natural processes".	hout a well "as by Include depth to
	water when applicable spring	
		~~ ,***********************************
	E	***************************************
		······································
		***************************************
	Quantity of water developed and used with exp	lengtion of method
	used to measure or estimate such amount. If	use is intermittent
<u> </u>	estimate approximate lengths of periods of use	
Sec. 7. T/9 R.58	commute approximate rengths of periods of tise	1
ndicate point of appropriation	cettle year oron	Some .
nd place of use, if possible.		
		***************************************
		*************
		***************************************
		THAT
	Signature of Owner	/ Hel Jon
	- 14 C	1 /5

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, County of Richland, Filed this day of AD 1963.

at Strate Of Montana, County Recorded County

	Approved Stock Form—State Publishing Co., Helena, Montana. 42234
	Approved Stock Form Jan 19 N 58 (
File No	D. C.
	County Mullim
DUPLICATE	STATE OF MONTANA
ADMINI	STRATOR OF GROUNDWATER CODE JAN 10 1964
01	FFICE OF STATE ENGINEER
	Austor Dights Wall
Declaration	of Vested Groundwater Rights (1961)
(Under C	Chapter 237, Montana Session Laws, 1961)
11/2/	Savane
. (1) eller	(Address) h
(Name of Appropriator	) 1
County of groundwater accord	ding to the Montana laws in effect prior to January 1, 1992,
	the state of the s
	2. The beneficial use on which the claim is based diversions
	3. Date or approximate date of earliest beneficial use; and how continu-
	ous the use has been
W	and the inches or callons
×	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute) That keer min
	1.2 minution of the lands
	5. If used for irrelation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
<b>s</b> .	to which water has some and
SW 455 Sec. 8 T/4 R 58	
T-dieses point of appropriation	
and place of use, if possible, Each	6. The means of withdrawing such water from the ground and the loca-
small square represents 10 acres.	tion of sach well or other means of withdrawar
	thethic pump 5 & sect-15
	the well wells or other works for with
7. The date of commencement and	completion of the construction of the well, wells, or other works for with
drawal of groundwater	440
	12 1
8. The depth of water table	
a So fer as it may be available, th	ne type, size and depth of each well or the general specifications of any other
works for the withdrawal of groun	ne type, size and deptil of cach well
•••••	2 000 000
10 mbs estimated amount of ground	water withdrawn each year 2 000 000
10. The estimated amount of ground	in the stilling of each well if available Gunchrand
11. The log of formations encountered	d in the drilling of each well if available Junch rand
	***************************************
10. Such other information of a sim	illar nature as may be useful in carrying out the policy of this act, including accounty record
meterance to book and bage of an	ly County 10002
***************************************	
	PIN NI
	Signature of Owner
	Date Dec 31.1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

fee: 200 filed

O <sub>1</sub> , ,	Approved Stock Form-State Pul	hillsbing Co., Helens, Montana 42234
File No		T / 9 RJ ()
DUPLICATE		County Richland
ATORES	STATE OF MONTANA INISTRATOR OF GROUNDWATER COI	OTE (D)
AUMI	OFFICE OF STATE ENGINEER	JAN 1 0 1964
Declaration	n of Vested Groundwater	Rights
	Chapter 237, Montana Session Laws, 196	
24/1		$\mathcal{J}$
1 / Cecler	en, of	Davage
County of Appropriat		nont stown)
have appropriated groundwater acco	ording to the Montana laws in effect price	or to January 1, 1962, as follows:
N	2. The beneficial use on which the cl	hvistoch
	2. The beneficial use on which the ci	and is pased.
	3. Date or approximate date of earl	
	ous the use has been 195	1202-1012
w l		700 Parc 1145
X	4 M	imal (in minoula inches on sellons
	4. The amount of groundwater cla	ing the first of the term of
	2) yai ji	er min
	5. If used for irrigation, give the s	acreage and description of the lands
21.6		ed and name of the owner thereof
14S 28ec 8 T/4R38		
Indicate point of appropriation and place of use, if possible. Each		
small square represents 10 acres.	6. The means of withdrawing such tion of each well or other means of	
	det to P	10 Start 1058
	ALLEN THE THE	Je De Contract
7. The date of commencement and of drawal of groundwater	completion of the construction of the well	ll, wells, or other works for with-
[4]	<b>.</b>	
8. The depth of water table	<i>y</i> -	
//	type, size and depth of each well or the	e general specifications of any other
	lwater	
***************************************		
************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
10 Mb	Em !	000
10. The estimated amount of groundwi	ater withdrawn each year	1 1 1
11. The log of formations encountered	in the drilling of each well if available	quiaring
a designation of the contract		
	ar nature as may be useful in carrying o	-
manner manner men seemen seeme		***************************************
***************************************	,,	AND I
	Signature of Owner.	A / Gederan
	Da	w Dec 31.1963
Thuse a a to be filed by the surrey wil	th the County Clark and Recorder of the	

Three e a to be filed by the owner with the County Clerk and Recorder of the county in which the well is locat

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

STATE OF MONTANA, County of Richland, Filed this. 31. day of Mary of A. D. 19 L. 3. at 11: 30. o'clock, A. M. Krocker, County is not for the County is not

, <b>GY</b> ,	Approved Stock Form—State Publishing Co., Helena, Montana—42234
File No	7/9 NR 50 P.
DUPLICATE	County Richland
ADMINI	STRATE OF GROUNDWATER CODE
OI	FICE OF STATE ENGINEER
Declaration	of Vested Groundwater Rights
	apter 237, Montana Session Laws, 1961)
04001	
1. (Name of Appropriator)	(Address) (Address)
County of Annual ground arter general	State of January 1, 1962, as follows:
N	
	2. The beneficial use on which the claim is based leverlock
	The same mountains
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been for the first terms of the second of
w e	
X	4. The amount of groundwater claimed (in miner's inches or gallons
	per minute) 25 grand fragments
	f f
	<ol><li>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof</li></ol>
W452 soco T/9 R38	
Indicate point of appropriation	
and place of use, if possible. Each small square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca-
	tion of each well or other means of withdrawal
계속에 잘 많다보다 하는	323000 1131
7. The date of commencement and comdrawal of groundwater	pletion of the construction of the well, wells, or other works for with
	7-71
8. The depth of water table 2.	3/1
9. So far as it may be available, the ty	pe, size and depth of each well or the general specifications of any other
	ter
••••	
10. The estimated amount of groundwater	withdrawn each year 1000 000 gal
	the drilling of each well if available
	ature as may be useful in carrying out the policy of this act, including
*********************************	
	B481
	Signature of Owner Delegan
	Date 1003/963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

County of Richland,	'}ss. a	86	489
Filed this3/		- day	100
Dec.	- A. D. 1	10-	
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<b>E.</b> .	Kool	كعت	).
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Kelade	1. 6	,	
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Carrie Commission

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	T. 19 1	R	58 É	••••
	CountyRs	ct.lund.		
MONTH DEPOSIT OF MANY	000 00V	(n)	CE	IVE
MONTANA BUREAU OF MINES AND Butte, Montana	GEOLOGY	[II]	JAW	ا 1967 كا 1967 كا

### WATER WELL LOG

STATE ENGINEER

1 140						
	Owner Karne	ry Redman		Address	Sidney, No	ntana
	Driller Franc	is Boyce		Address	Trotters,	V. Dak.
	Date StartedJ	uly 3, 1960		Date Com	pletedJuly	7, 1960
	Location: Sec.	0 <sub>T</sub> 19	R 58	sec. 79. E	•	
Type of well drille	zd (Dug, driven, bored, o	r drilled)	quipment used	churn (Chur	drill drill, rotary, other	er)
Water use: Domestic	<u>×</u>	unicipal	Stock		Irrigation	
Industrial		Orainage	Other:			••••
Casing: 0	ft. to 61	ft. Type.	line pipa	Size. <b>i</b>	inch 11 lb	ı. <i>p. f.</i>
Casing:	.ft. to	ft. Type.		Size	······································	•••••••••••••••••••••••••••••••••••••••
Casing:	ft, to	ft. Type.		Size		
Perforated or Screened	: Ftnone	to ft	Ft		to ft	
Type of screen or perfor	ations	***********************				
Static Water level, for n	on-flowing well:	25 ft.				<b>f</b> eet.
Shut-in pressure, for flo	wing well:	·····	lb./sq. in. on:.	,		
Pumping water level	ho se.	feet at		12 ga	(date)	inute
How tested: bail	er					
Length of test						
Remarks: (Gravel pac						
itemaiko. (Giavei pao	mile, comemonie,	outlis, type or	onar-ozz, acpar	01 55145-022	,	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			••••••	*******************	***************************************
		***************************************	***************************************		******************	******************
						***************************************
	***************************************	••••••••				***************************************
		(ove	 )	***************************************		***************************************
@ <del></del>		(0.0	-,			

Log of Well

- T		206 02 11011
From	To	Description of Material Drilled
0	18	topsel and sandy clay
er, Kristin i		
18	27	fine gravel & sand 3 gal. per minute
27	62	sandy clay
62	75	gray sand coarse solid enough to stand
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
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G		Approved Stock Form-State Pub	lishing Co., Helena, Montana—42234
File No			T 191/2 58 E
DUPLICATE	, , , , , , , , , , , , , , , , , , ,		County h Class
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	E OF MONTANA R OF GROUNDWATER COD	DECEIVED
	4 NM	F STATE ENGINEER	DEC 27 1963
	Declaration of Ve	sted Groundwater	Rights ENGINEER
	(Under Chapter 23'	7, Montana Session Laws, 1961	TALE ENGINEER
V	~ O 1	11 0	
1 Karney	(Name of Appropriator)	of Aboan Ko	rute, Sidney (Town)
County of	Richland.	State of Monto	r to January 1, 1962, as follows:
nave appropriat	ea groundwater according to the	ie montana iaws in eriect prio	r to danuary 1, 1902, as lonows:
У	2. The		im is based stockwater
^			[H] 이어 12는 14는 4
	3. Dat	te or approximate date of carlie	est beneficial use; and how continu-
v	- Out	ince	
			1 /2 2 2 3
	4. The	e amount of groundwater claiminute). 3% as llon	med (in miner's inches or gallons
		<u> </u>	
	5. If	used for irrigation, give the ac	creage and description of the lands
(uı		rot applicable	
W.4 Sec. 10 Indicate point of			
and place of use, if small square repre	f possible. Each	e means of withdrawing such w	ater from the ground and the loca-
	tion	n of each well or other means of	withdrawal arterian
		T19, 12158	located les 10,
			, wells, or other works for with-
drawal of gro	undwater MARNAUTU		
8. The depth of	water table Unknown	1	
			general specifications of any other
works for the	withdrawal of groundwater	pe artesian;	size, 4 inch
17 a	pth, 450 fee	1 approxima	Tely
	1 1	1.1	
10. The estimated	amount of groundwater withdra	wn each year 155	0,000 gallons
	mations encountered in the drilling	,	
	The state of the s	32 vive it vive at attaution.	
12. Such other in	formation of a similar nature as	may be useful in carrying ou	it the policy of this act, including
reference to be	ook and page of any county recor	d none avai	
************************		_	
		Signature of Owner	armend Aldman
		Date	arney & Aldman
		Date	

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, County of Richland,

17.00

<b>c</b> ,	Approved Stock Form—State Publishing Co., Helena, Montana—42234
File No	T /9/R 3 / //
DUPLICATE	County Krihland
	STATE OF MONTANA
	STRATOR OF GROUNDWATER CODE 13 JAN 1 0 1964
.01	FFICE OF STATE ENGINEER
Declaration	of Vested Groundwater Rights
	hapter 237, Montana Session Laws, 1961)
11/1/	
1. (Name of Appropriator)	(Address) (Address) (Address)
Country of Kith	State of Non
have appropriated groundwater accord	ing to the Montana laws in effect prior to January 1, 1962, as follows:
N	lineston
	2. The beneficial use on which the claim is based the state of the sta
	3. Date or approximate date of earliest beneficial use; and how continuous the use has been 14.3.
w E	
X	
	4. The amount of groundwater cizined (in miner's inches or gallons
	per minute) 25 gal per min
	5. If used for irrigation, give the acreage and description of the lands
	to which water has been applied and name of the owner thereof
SW 1/5 5 Sec/ 7 T/9 R 58	
Indicate point of appropriation	
and place of use, if possible. Each small square represents 10 acres.	6. The means of withdrawing such water from the ground and the loca-
	tion of each well or other means of withdrawal
뉴스, 성호 함께 되고 있었다.	Antesion
7. The date of commencement and com	pletion of the construction of the well, wells, or other works for with-
drawal of groundwater	50
5	25 ft
8. The depth of water table	
	ype, size and depth of each well or the general specifications of any other
works for the withdrawai of groundwa	WX
***************************************	
***************************************	
10. The estimated amount of groundwater	r withdrawn each year / MOO Gal
11. The log of formations encountered in	the drilling of each well if available Blue clay
FINAT TATAL	
300	is from the second
19 Such other information of a similar r	nature as may be useful in carrying out the policy of this act, including
	inty record
	1101
	Signature of Owner A Service
	Date 42311963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

STATE OF MONTANA, SS. 296492.
County of Richland, Ss. 296492.
Filed this 3/ day of Dec. A. D. 19 163.
at //: 32 o'clock A. M. ken Dunty Rysother Dunty Rysot

bes: 200 biled

J₩	3	

File No.

T 19 NR 5 8 8 County Richland

DUPIJOATE

# STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE OFFICE OF STATE ENGINEER

JAN 1 0.1964

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

	Date of Appropriation of Foundwater
	Owner Jamella Caracadores Lang Mont.
	Contractor (if any)
	Contractor (if any)
	Address of Contractor
	Date Started
N	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to
	water when applicable at ground level
×	
	A Company of the Comp
	Quantity of water developed and used with explanation of method
	used to measure or estimate such amount. If use is intermittent
	estimate approximate lengths of periods of use
W4NW 1/4 Sec/ 8 1/9 158	
Indicate point of appropriation and place of use, if possible.	sino Sull
	<b>₩</b>
	NIS
	Signature of Owner
	Date Alec 31, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

-37¢

County of Richland,
Filed this dry of AD 1)6.3

at County of Richland,
AD 1)6.3

at County Rebuilds

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Participation of

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	Approved Stock Form-State Publishing Co., Helens, Montana-42234
	m 19 16 58.
File No	UU MAY 2 0 1964
DUPLICATE	County Free Candidate O
joth A	C STATE OF MONTANA (
$\sim$ $\sim$ $\sim$ $\sim$ $\sim$	OFFICE OF STATE ENGINEER JAN 1964
V	
	ion of Vested Groundwater Rights Market
. / (Un	der Chapter 237, Montana Session Laws, 1961)
Semeth dan	sen savage Montara
Name Approp	riator) (Addres) (Town)
County of Sichland	according to the Montana laws in effect prior to January 1, 1962, as follows:
g uato appropriated groundmann	
WINTER THE	2. The beneficial use on which the claim is based. Stock water
	3. Date or approximate date of earliest beneficial use; and how continu-
	ous the use has been
<b>"</b>	R 4477
	4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	per minute) 5006 more or less
4	5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
	210
NE My Sec. 18 T. 19 R.58	
Indicate point of appropriation and place of use, if possible. Each	6. The means of withdrawing such water from the ground and the loca-
small square represents 10 acres.	tion of each well or other means of withdrawal
	SE
7. The date of commencement as drawal of groundwater	od completion of the construction of the well, wells, or other works for with-
8. The depth of water table	130ft on less
9. So far as it may he available.	the type size and death of each well or the certeral specifications of any other
world for the withdrawal of gr	the type, size and death of each well or the general specifications of my other
***************************************	
-	· · · · · · · · · · · · · · · · · · ·
10. The estimated amount of groun	dwater withdrawn each year
11. The log of firm from encounter	red in the drilling of each well if available
***************************************	
	milar nature as may be useful in carrying out the policy of this act, including
reference to book and page of a	my county record
Styphonous with a second style of the second s	
	Simplify of Deman Assessment Consessed
	Signature of Owner Francisco (Augustus)
·A	Date De 31, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

STATE OF MONTANA, ss. 2866 21

County of Richland, ss. 2866 21

File this 31

AD 1963

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County Receptor of Coun

	24
- G <b>W 2</b> 1	Approved Stock Form-State Publishing Co., Helenu, Montana-3908.
File No.	T 19 NR 57 E
DUPLICATE	County Hickland
	ADMINISTRATOR OF GROUNDWATER COME IVE
Top of Ground	OFFICE OF STATE ENGINEER
Beroghars marjeral	Notice of Completion of Groundwater
36 coal 1,	Appropriation by Means Toff WENGINEER
gry chale	(Under Chapter 237, Montana Session Laws, 1961)
44 gray chal	wner Karry & Wedmandress July Mont
	Driller Francis / Boyce Address Sidkey Mont
gray chale thin layer coal	Date of Notice of Appropriation of Groundwater
34 reftrock	Date well started Nov-23 / Pate Completed Nov-30 1962
37/2 Sandeline of permin	Type of well dalla Equipment Used fratty
426- gray to Cal	(dug, driven, bored or (Churn, drill, rotary or drilled) other)
in land the sol	Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
The hard shale	Industrial Drainage Stock
ford rock,	Indicate on the diagram the character and thickness of the different
	trata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water.
The for sandalou drala be	pearing strata and height to which water rises in the well.
if well rock Stee	of Size and From To PODENDATIONS
Hoj	Weight of (Foet) (Feet) Kind From To Size (Feet) (Foet)
42	146
400	
4058	1124 01. 0 811 850 871
	1/2 peloppe
	Static Water Level for non-flowing Well
	Shut-in Pressure for Flowing Well 40 the
A A	Pumping Water Levelfeet atgal. per minute.
	Discharge in gal. per min. of flowing well.
	How TestedLength of Test
	Remarks: (Gravel packing, cementing, packers, type of shutoff, loca-
	tion of place of use of groundwater if not at well, and any other similar pertinent information, including number of
	acres irrigated, if used for irrigation)
SEMANBec 24T.19 RAZ	
Indicate location of well and place of use if possible. Each	
small square represents 10 acres.	
Show exact depth of bottom.	97 A +
	Driller's License Number
	the Ban.
	Driller's Signature

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

STATE OF MONTANA, ss. 279112

County of Richland,

Filed this day of Dec A D 19 122

at: 1, 45 o'clock, M. M. County Recorder

P. Washen

County Recorder

P. Washen

L. J. Oo Lee

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<i>***</i>			2	)
r 19	N R 58E		ا ک	•
County	Literary.	13.15 22.12.	79	
County	PICHAND	7	fike	

## MONTANA BUREAU OF MINES AND GEOLOGY Butte, Montana

5/29/15

### WATER WELL LOG

	Owner Herbert R. B	oe	Address	Wibaux, Montan	a
x	Driller Francis Boyc				
	Date StartedJune10				
	Location: Sec31				A Committee of the Comm
Type of WellDri	11ed (Dug, driven, bored, or drilled)	Equipment	ised. Jet (Chu	rn drill, rotary, other	)
Water use: Domestic	Municipal		Stock X	Irrigation	3
Industrial	Drainage	-			
	ft. to333ft.			5 inch	
	ft. to 525ft.			<u> </u>	
Casing:	ft. to			to ft.	
Perforated or Screened	rations small holes	in pipe	£ 0		•••••
Type of screen or perio	non-flowing well:				feet
Shut-in pressure, for i	flowing well:	10 lb./sq.	in. oz.: June	16, 1955 (date)	
Pumping water level	1	eet at	g	al. per min	
How tested:					
Remarks: (Gravel pa	cking, cementing, packers	s, type of shut-off	, depth of shut-o	nr)	•
We	11 flows   gallon per	winde			
	***************************************	(over)			

#### Log of Well

		Log of Well
Depth, feet		Description of Material Drilled
From	То	Description of Indectal Dimed
		[
0	333	drilled by another well driller
333	457	gray schale moft
457	460	rock
460	470	artesiai strata
470	496	shale gray
-7/0		
496	500	rock
-4.5		
500	525	shale gray
<u> </u>		
	i dan	
		N STITE
	<del></del>	K KN Q I
		E TO THE STATE OF
	1	Out Interest
<del></del>		County 1
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63081

2	Approved Stock Form—State Publishing Co., Helena, Montana—41933
	Approved Stock Form—State Publishing Co., Helena, Montana—41993
e No	T
PLICATE	County
	STATE OF MONTANA() [ U [ U [ ] V [ ] ADMINISTRATOR OF GROUNDWATER CODE
Top of Ground	OFFICE OF STATE ENGINEER MAR 1 1 1964
(Elev. above sea level 2035	Notice of Completion of Groundwater
0 = 333 ? Zlewed 1 pt. per. minn	Appropriation by Means of Well Give
3 -497 gray shale	(Under Chapter 237, Montana Session Laws, 1961)
7 = 460 resk 9 = 470 samdstone I pt. per. min	Owner Barry Bookley Address Library Man
K. W. BOOK TOOLS	
From 333 to 693 thas	<b>44.</b>
by a cable tool rig an	Date of Notice of Appropriation of Groundwater
another contracter  563 dark shale	Date well started 1964
3 - 565 reck	Type of well drilled Equipment Used
5 - 65I hard tough shale I - 672 fime sandstone dry	(dug, driven, bored or (Churn, drill, rotary or drilled) other)
2 - 690 coarse sand artisan strat	
0 - 693 shale	Industrial Drainage Stock
	Indicate on the diagram the character and thickness of the differ
	strata met with in drilling, such as soil, clay, shale, gravel, rock or sand,
	Show depth at which water is encountered, thickness and character of was bearing strata and height to which water rises in the well.
D	Size and From To Drilled Weight of (Feet) (Feet)  Rind From To PERFORATIONS  Rind From To
Old well	Size (Feet) (Feet)
333 * To	693 In In galv. 0 6931 20 659
a be he	nels causing 693*
	Static Water Level for non-flowing Well
	Shut-in Pressure for Flowing Well
	Pumping Water Levelgal. per min
	Discharge in gal, per min, of flowing well 52 gale P.M.
- W	
- N W	
	How Tested Length of Test Remarks: (Gravel packing, cementing, packers, type of shutoff, l
	How Tested Length of Test
	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, l tion of place of use of groundwater if not at well, and other similar pertinent information, including number
-	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, l tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)
s s 14 Sec. 33 T.19 R4	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, l tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)  Top packer 610 to 616 and 652 to 659
Indicate location of well an place of use, if possible. Eac	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, I tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)
Sec. 33 T19 R 1	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, I tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)
Indicate location of well an place of use, if possible. Eac	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, I tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)
Sec. 33 T.19. R	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, I tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)  Top packers 610 to 616 and 552 to 659 and no perferations between
Indicate location of well an place of use, if possible. Eac small square repr sents 10 acres	How Tested Length of Test  Remarks: (Gravel packing, cementing, packers, type of shutoff, I tion of place of use of groundwater if not at well, and other similar pertinent information, including number acres irrigated, if used for irrigation)  Top packer 610 to 616 and 652 to 659 and seh es.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Completion of Loundrate
appropriation by manys all
Warry I ownley

To
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WIRAUX COUNTY, WONTANA

GW 2	TO EPEI	MED	Approv	ed Stock Form-State	Publishing Co., Heler	ia, Montana 193	3
File No	DEGEI	ARILL	-		T. 19	R58	E
DUPLICATE	U U JUN 3	1964	. •		County	Richland	
DUPLICATE				STATE OF		.urentem.	
	STATE EN	GINEER		TRATOR OF	ROUNDWATE	_	
Top of	Ground	•	OF	FICE OF STA	TE ENGINEE	15-	
O LAESTOP AT	11 sea level 2045	) No	tice of (	Completic	on of Gro	undwat	er
14 - 65 BUCAN	o & sand 2111		Approp	riation by	Means o	of Well	
112 113 res					tana Session La		
113 168 shal		<b>1</b> 70	y Rodnan			y Hozas	
168-172 resk		Owner		·	ddress		
-2424560 serad	stone	Driller	cis Derce	<i>1</i>	ddress 31dne	y Heart.	
290 295 act 1 295 130 laye		<b>.</b>		omination of Class	undwater		
-130-131 reek							
AST AST shall		Date well st	arted	19 1704 D	ate Completed.	1906 50 2	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
462- 600 dark	and the second s	Type of well	Drilled	1	Equipment Used	Retary	
605 610 resk		(dug, driver	n, bored or		(Churn, drill, rot other)	ary or	
614 21 reck			D	-1 No		. —	
621. 655 shall 655- 660 resi		Water Use:	Domestic { Industrial {			=	rigation 🔲
	shale		27				_ 3:00
701- 703 reak					racter and thic , clay, shale, gr		
	lateme artisan strata				red, thickness a		r of water-
Lada 206 -108	💆 - Transport (1971) Alamai	bearing stra	ta and neigi	it to which was	ter rises in the	well.	
<b> -  </b>		Size of	Size and	From	To	PERFORATION	18
-		Drilled Hole	Weight of Casing	(Feet) (I	Feet) Kind	From	To
<b>L</b> I		," · · · · · · · · · · · · · ·	I.D. II	9	59	(Feat)	(Feet)
		40 19	mir.		66 278	773	506
					terol	7	
1					elete	\.	
<b> -  </b>							
<b>L</b> 1		<del></del>				<del></del>	<del></del>
<b> -                                    </b>	N	Static	Water Level	for non-flowing	g Well		feet.
-   -	X	Shut-ir	Pressure fo	or Flowing W	11 40 1bs.		
		Downi	na Water Le	val	feet at	law	ner minute
			•				per minue.
			rge in gal. p	er min. of flow	ing well 20	<b>a.</b>	
"		E How	lested	••••••••••	Length of Te	st	······································
		Remar	ks (Grave)	nacking ceme	enting, packers,	type of sh	ntoff. loca-
		1022	tion of	place of use of	groundwater :	if not at wel	ll, and any
			other s	imilar pertine	nt information,	including	number of
			acres irr	rigated, if used	for irrigation).		
	Sec 32 TI9 R	<b>;e</b>	.6	Spacker fre	m 764 to 7	72 st.	
_ Indies	ate location of well ar			***************************************			
	of use, if possible. Easquare represents 10 acre			••••••••••			······································
- sman	aduate rebreaems to Sct.	cə.		***************************************			
Show ex	eact depth of bottom.				92		
803					Driller's Licens	e Number	<u></u>
				ند	Mrun	mis //	Saran o
				:	Driller's Signal	ure	<i>v.y.</i>
							•

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located.

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STATE OF MONTANA
County of Richland,
Filed this day of

A. D. 19 Utt

at County Recorder

C

	State Porm, State Publishine Co. Helena, Montana—42262
3 W 3	Approved Stock Form-State Publishing Co., Helena, Montana-42262
File No	county Richland
DUPLICATE	STATE OF MONTANA  OMINISTRATOR OF GROUNDWATER CODE  OFFICE OF STATE ENGINEER  DEC 27 1963
Notice of Co	mpletion of Groundwater Appropriation GINEER Without Well
(U	nder Chapter 237 Montana Session Laws, 1961)
	Date of Appropriation of Groundwater Radman Started use in 1960  Owner Kainey L. Redman Address Sidney, Mentana  Contractor (if any) Linknamn
	Address of Contractor unknown
	Date Started un Knaw K Date Completed un Knew n
N.	Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable mater comes to surface under natural pressure (a spring) - Flaws down to fill tank for
NE1/4 Sec. 35. T	priation C L V C all V Alex
	Signature of Owner Karney J. Refman Date Dec. 26, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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